Claims

1. A method for receiving multimedia information in a communication system, the method comprising:

receiving a plurality of streams, the plurality of streams which together form a multimedia session;

decoding, based upon the content of each individual stream, the plurality of streams to form a plurality of decoded streams; and

performing Layer 2 functionality upon each of the plurality of decoded streams.

2. A method for receiving multimedia information in a communication system in accordance with claim 1, wherein the step of receiving a plurality of streams comprises the step of receiving the plurality of streams over the air.

3. A method for receiving multimedia information in a communication system in accordance with claim 1, further comprising the step of alerting a mobile station to begin processing multimedia streams.

4. A method for receiving multimedia information in a communication system in accordance with claim 1, further comprising the step of alerting a base station to begin processing multimedia streams.

5. A method for receiving multimedia information in a communication system in accordance with claim 1, further comprising the step of deciding to enter multimedia mode.

6. A method for receiving multimedia information in a communication system in accordance with claim 5, wherein the step of deciding to enter multimedia mode comprises the step of deciding to enter multimedia mode by a mobile station.

7. A method for receiving multimedia information in a communication system in accordance with claim 6, further comprising the step of alerting a computer connected to the mobile station to enter multimedia mode.

8. A method for receiving multimedia information in a communication system in accordance with claim 6, further comprising the step of alerting a network to enter multimedia mode.

9. A method for receiving multimedia information in a communication system in accordance with claim 5, wherein the step of deciding to enter multimedia mode comprises the step of deciding to enter multimedia mode by a computer connected to the mobile station.

10. A method for receiving multimedia information in a communication system in accordance with claim 9, further comprising the step of alerting a mobile station to enter multimedia mode.

11. A method for receiving multimedia information in a communication system in accordance with claim 9, further comprising the step of alerting a network to ~~enter multimedia mode.~~

12. A method for receiving multimedia information in a communication system in accordance with claim 5, wherein the step of deciding to enter multimedia mode comprises the step of deciding to enter multimedia mode by a network.

13. A method for receiving multimedia information in a communication system in accordance with claim 12, further comprising the step of alerting a mobile station to enter multimedia mode.

14. A method for receiving multimedia information in a communication system in accordance with claim 12, further comprising the step of alerting a computer connected to the mobile station to enter multimedia mode.

15. A method for transmitting multimedia information in a communication system, the method comprising:

receiving a multimedia stream at a mobile station;

splitting the multimedia stream into component pieces at the mobile station;

applying Layer 2 protocol to the component pieces at the mobile station;

applying channel coding to the component pieces at the mobile station; and

transmitting the component pieces from the mobile station to a base station.

16. A method for transmitting multimedia information in a communication system in accordance with claim 15, wherein the step of transmitting to a base station comprises transmitting each component piece individually to a base station.

17. A method for transmitting multimedia information in a communication system in accordance with claim 15, wherein the step of transmitting the component pieces comprises the step of transmitting the component pieces ~~over the air.~~

18. A method for receiving multimedia information in a communication system, the method comprising:

receiving a plurality of streams which together form a multimedia session;

decoding, based upon the content of each individual stream, the plurality of decoded streams;

performing Layer 2 functionality upon each of the decoded streams; and

combining the plurality of streams into a multimedia stream.

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19. A method for transmitting multimedia in accordance with claim 18, further comprising the step of sending the multimedia stream to a network.

20. A method for transmitting multimedia in accordance with claim 18, wherein the step of receiving a plurality of streams comprises the step of receiving a plurality of streams over the air.

~~21~~. A method for transmitting multimedia information in a communication system, the method comprising:

applying Layer 2 protocol to the component pieces of a multimedia stream at a mobile station;

applying channel coding to the component pieces at the mobile station; and

transmitting the component pieces to a base ~~station.~~

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22. A method for transmitting multimedia information in a communication system in accordance with claim 21, wherein the step of transmitting the component pieces to a base station comprises the step of transmitting the component pieces over the air.

23. A method for transmitting multimedia information in a communication system, the method comprising:

receiving a multimedia stream;

splitting the multimedia stream into component pieces;

applying Layer 2 protocol to the component pieces;

applying channel coding to the component pieces; and

transmitting over the air the component pieces to a mobile station.

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24. A communication system for transmitting multimedia information comprising:

a network including a plurality of base stations and a controller;

a mobile station coupled to the network and including a plurality of multimedia ports; and

a computer coupled to the mobile station and including a multimedia port coupled to the mobile station.

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25. A communication system for transmitting multimedia information in accordance with claim 24, wherein the plurality of multimedia ports includes a voice port.

26. A communication system for transmitting multimedia information in accordance with claim 24, wherein the plurality of multimedia ports includes a video port.

27. A communication system for transmitting multimedia information in accordance with claim 24, wherein the plurality of multimedia ports includes a data port.